

ER PROGRAM DATA ASSESSMENT
SUMMARY REPORT FORM

Batch No. 8912G684 Site 881 Hillside
Laboratory Roy F. Weston - Gulf Coast No. of Samples/Matrix 6/Water
SOW # 10/86 (Rev. 2/88) Reviewer Org. TechLaw, Inc.
Sample Numbers TB121489009, SW068009, SW067009, SW066009, SW031009, SW036009

Data Assessment Summary

	VOA	Comments
1. Holding Times	<u>R*, A</u>	<u>Action Items 1,2,6</u>
2. GC/MS Tune/Instr. Perf.	<u>V</u>	<u></u>
3. Calibrations	<u>A</u>	<u>Action Item 3; Comment 1</u>
4. Blanks	<u>A</u>	<u>Action Items 4,5</u>
5. Surrogates	<u>V</u>	<u></u>
6. Matrix Spike/Dup.	<u>V</u>	<u></u>
7. Other QC	<u>V</u>	<u></u>
8. Internal Standards	<u>R*, A</u>	<u>Action Item 6</u>
9. Compound Identification	<u>V</u>	<u></u>
10. System Performance	<u>R*, A</u>	<u>Action Item 6; Comment 2</u>
11. Overall Assessment	<u>R*, A</u>	<u>Data acceptable with qualifications or rejected.</u>

V = Data had no problems.

A = Data acceptable but qualified due to problems.

R = Data rejected.

X = Problems, but do not affect data.

*Not all samples are rejected.

Data Quality: Data contained in this batch were reviewed and found to be acceptable with qualifications. Acceptable,
qualified data may be used provided that individual values impacted by the "Action Items" listed below are appropriately flagged.
(Refer to attached Results Summary Tables.)

ADMIN RECORD

A-DU01-000033

"REVIEWED FOR CLASSIFICATION

By R. B. Hoffman (4)
Date 7-11-90

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REVIEWED FOR CLASSIFICATION/UCNI

By George H. Setlock
Date 6/27/90

12g684/voa

Action Items: 1) All results for all compounds in samples SW067009, SW066009, SW031009, and SW036009 are rejected (R) because of holding times. Thirteen days passed between sample receipt and analyses; fifteen days passed between sampling and analyses.

2) All results for all compounds in sample TB121489009 are estimated (J) or estimated and undetected (UJ) because holding times were exceeded. Twelve days passed between sample receipt and analyses; fourteen days passed between sampling and analyses.

3) In the initial and continuing calibrations Acetone's and 2-Butanone's %RSDs and %Ds exceeded 50%. Therefore, if the results for these compounds in all samples were not qualified under other criteria (holding time or blank criteria) positive results would be estimated (J) and non-detects would be rejected (R) for this reason.

4) As a result of contamination in the method blank, the positive results for Methylene Chloride and Acetone in sample TB121489009 are estimated and undetected (UJ) as per the Functional Guidelines criteria (5x and 10x rules).

5) As a result of contamination in the method blank all positive results for Methylene Chloride, Acetone, and Toluene in samples SW068009, SW067009, SW066009, SW031009, and SW036009 would normally be estimated and undetected (UJ) as per the Functional Guidelines criteria (5x and 10x rules). However, because these results are rejected this qualification was not imposed (See Action Items 1,6).

6) All results for all compounds in sample SW068009 are rejected (R) for several reasons. Area counts of all three internal standards were very low. There was large interference early in the chromatogram; also, there was a drop in the baseline and an overall baseline shift in the sample chromatogram. Additionally, twelve days passed between sample receipt and analyses; fourteen days passed between sampling and analyses. Non-detects in this sample could be rejected because of the low internal standard areas alone; however as a result of all of the problems with this sample, all results (positive and non-detected results) are rejected (R).

Comments: 1) In the initial calibration, surrogates should have been run at five separate concentration levels. This does not affect the data.

2) Large, early eluting interference and baseline shifts were observed in all sample analyses.
Note: Data Summary Tables are attached.

Jeff Haschler
Reviewer Signature

3-19-90
Date

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ANALYTICAL RESULTS (ppb)

U Indicates the compound was not detected above the Required Quantitation Limit.

*E Exceeds calibration range, dilute & reanalyze.

Rejected R